

Appl. No. 10/672,105  
Amdt. dated January 3, 2007  
Reply to Office Action mailed July 5, 2006

**Amendments to the Specification:**

**Please replace the paragraph appearing at page 3, lines 4-10 with the following amended paragraph:**

In order to accomplish the above object, a half spread folding door comprises plural door leaves having a predetermined width and length; door frames supporting each door leaf in both side ends thereof; a hinge means for connecting successively each door leaf with adjacent door leaf along its width direction, allowing each door leaf to be rotated around a hinge shaft correlatively, and for folding each door leaf toward alternative dead end of the door leaves sequentially; and a spread confining means for limiting relative rotation angles of every door leaves interconnected by the hinge means and a spread range of each door leaf in a predetermined angle 30° to 60° to configure as the form of zigzag when the door leaves are spread.

**Please replace the paragraph appearing at page 5, lines 19-24 with the following amended paragraph:**

As shown in Figs. 1 to 4, the inventive half spread folding door is fundamentally comprised of plural door leaves 10 having a predetermined width and length door frames F supporting each door leaf 10 in both side ends thereof, a hinge means 20 for connecting successively each door leaf 10 to be rotated around a hinge shaft 23 correlatively, and folding each door leaf 10 sequentially, and a spread confining means 30 for limiting a spread range of each door leaf in a predetermined angle to configure as the form of zigzag when the door leaves 10 are spread.

**Please insert the following new paragraph before the paragraph appearing at page 6, lines 7-9 with the following amended paragraph:**

A pair of hinge means 20 are each mounted lengthwise in both side ends of the door leaf 10 and plural hinge means 20 are mounted lengthwise in the middle of the door leaf 10.

Appl. No. 10/672,105  
Amdt. dated January 3, 2007  
Reply to Office Action mailed July 5, 2006

**Please replace the paragraph appearing at page 8, lines 12-14 with the following amended paragraph:**

In the half spread folding door of the present ~~presentive~~ invention, the spread angle  $\theta$  of the door leaf 10 is an important factor depending on a rigidity and a spread effect of the door, and it will be described in further detail.

**Please insert the following new paragraph before the paragraph appearing at page 9, lines 3-5 with the following amended paragraph:**

Accordingly, in the present invention, the spread angle  $30^\circ$  (of which the spread effect is more than  $1/2$ ) and the spread angle  $60^\circ$  (of which an effect against an external force is more than  $1/2$ ) are adopted as the preceding angle and the following angle of  $45^\circ$ , the spread angle  $\theta$  is established as  $30^\circ$  to  $60^\circ$ .

**Please replace the paragraph appearing at page 9, lines 3-5 with the following amended paragraph:**

In the present ~~presentive~~ half spread folding door having the above structural characteristic, a roller (not shown) can be adapted at a horizontal side of the door leaf 10 to run on a guide rail, thus enabling the door leaf 10 to be spread or folded easily.